| PROJECT DESCRIPTION | EQUIPMENT LIST "A" | EQUIPMENT LIST "B" |
|--|---|--|
| THIS PORTION OF THE PROJECT INVOLVES THE RECONSTRUCTION OF THE EXISTING TRAFFIC CONTROL SIGNALS AT THE | A. EQUIPMENT TO BE SUPPLIED BY SHA | B. EQUIPMENT TO BE FURNISHED AND OR INSTALLED BY THE CONTRACTOR |
| INTERSECTIONS OF PENNSYLVANIA/MAUGANS AVENUE AND MACK TRUCK ROAD/MAUGANS AVENUE. NEW TRAFFIC SIGNALS WILL BE CONSTRUCTED AT THE INTERSECTIONS OF MAUGANS AVENUE AND THE INTERSTATE 81 RAMPS WITH FOUNDATIONS | QUANTITY DESCRIPTION | QUANTITY DESCRIPTION |
| AND CONDUIT PLACED FOR FUTURE SIGNALS AT MAUGANS AVENUE AND CRAYTON BOULEVARD. MAUGANS AVENUE IS | 1 EACH FOUR PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER WITH INTERSECTION | LUMP SUM MAINTENANCE OF TRAFFIC |
| ASSUMED TO RUN IN A EAST-WEST DIRECTION | MONITOR HOUSED IN NEMA SIZE "6" BASE MOUNTED CABINET | |
| INTERSECTION OPERATION | 37 S.F. SHEET ALUMINUM SIGNS TO CONSISTS OF: | 20 C.Y. TEST PIT EXCAVATION |
| | - 1 EACH R3-1 SIGN (30 IN. X 30 IN.) - MAST ARM MOUNT - 1 EACH R3-2 SIGN (30 IN. X 30 IN.) - MAST ARM MOUNT | 1 EACH STEEL POLE WITH TWIN 50 FT. MAST ARMS |
| A SYSTEM CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL BE INSTALLED AT THIS LOCATION. THE INTERSECTION | - 1 EACH R3-5L SIGN (30 IN. X 36 IN.) - MAST ARM MOUNT | 1 EACH STEEL POLE WITH A 50 FT. MAST ARM |
| WILL OPERATÉ IN A FULLY ACTUATED MODE USING FOUR (4) NEMA PHASES. EXCLUSIVE/PERMISSIVE LEFT TURN PHASING WILL BE PROVIDED FOR WEST AND SOUTH BOUND APPROACHES. | - 2 EACH 3-4 SIGN (30 IN. X 30 IN.) - MAST ARM MOUNT - 1 EACH S-4 SIGN (16 IN. X 39 IN.) - MAST ARM MOUNT | 1 EACH STEEL PEDESTAL POLE |
| BET NOTIBED FOR THE FAIR GOOD AT NOAGILO. | | 9 C.Y. CONCRETE FOR SIGNAL FOUNDATIONS |
| CONTROLLER REQUIREMENTS | 1 EACH VIDEO INTERFACE EQUIPMENT: 1-4 CAMERAS | |
| | | 475 L.F. NO. 6 AWG STRANDED BARE COPPER GROUND WIRE |
| INSTALL A FULL-TRAFFIC ACTUATED, EIGHT-PHASE CONTROLLER WITH ONE (1) FOUR CHANNEL, INTERSECTION MONITOR WITH BATTERY BACKUP FOR PHONE DROP AND ASSOCIATED HARNESSES IN A NEMA SIZE "6" BASE MOUNTED CABINET. | | 320 L.F. 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED |
| | | 350 L.F. 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED |
| PHONE DROP | | 20 L.F. 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED |
| | | 190 L.F. 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED |
| UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY DAVE SHRADER OF THE WASHINGTON COUNTY HIGHWAY DEPARTMENT AT 240-313-2715 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE | | |
| MR. SHRADER THE NEAREST STREET ADDRESSES, ZIP CODES, AND PHONE NUMBERS FOR EACH INTERSECTION. | | 40 L.F. 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED |
| | | 350 L.F. 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED |
| | | 20 L.F. 1 INCH FLEXIBLE TUBING |
| | | 1 EACH ELECTRICAL UTILITY SERVICE EQUIPMENT W/ 200 AMP METER PEDESTAL |
| MAINTENANCE OF TRAFFIC | EQUIPMENT LIST "C" | 2 EACH FURNISH AND INSTALL OPTICOM EMERGENCY VEHICLE PRE-EMPTION DETECTOR EYE |
| MAINTENANCE OF TRAFFIC | EQUIPMENT LIST C | |
| THE TRAFFIC CONTROL PLANS PROVIDED WITHIN THIS SET OF CONSTRUCTION PLANS SHALL BE USED FOR THE PROJECT. | C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA. | 20 L.F. ELECTRICAL CABLE 1-CONDUCTOR NO. 4 AWG-THHN/THWN |
| THE PROJECT, | | 8 EACH FURNISH AND INSTALL HANDHOLE |
| | SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILLARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME PROPERTY OF THE | 37 S.F. INSTALL OVERHEAD AND POLE MOUNTED SIGN |
| | CONTRACTOR. | 3 EACH VIDEO DETECTION CAMERA |
| PROJECT CONTACTS | | 2 EACH CONTROL CABLE, 200 FT, VIDEO CAMERA TO CONTROLLER |
| | | |
| THE CONTACT PERSONS FOR THE WASHINGTON COUNTY ENGINEERING DEPARTMENT AS AS FOLLOWS: | | 1 EACH CONTROL CABLE, 250 FT, VIDEO CAMERA TO CONTROLLER |
| TDB MR. DAVE SHRADER | | 1 EACH 10 FT BREAKAWAY PEDESTAL |
| PROJECT MANAGER SIGNAL OPERATIONS PHONE: 313-240-2417 PHONE: 240-313-2720 | | 2 EACH FURNISH AND INSTALL 250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE |
| | | 2 EACH 15 FT LIGHTING ARM |
| MR. DAVID A. MASON MR. ROBERT SLOCUM DESIGN ENGINEER DEPUTY CHIEF ENGINEER | | |
| PHONE: 240-313-2408 PHONE: 240-313-2418 | | |
| CONTACT PERSONS FOR MD-SHA ARE AS FOLLOWS: | | 3 EACH 8 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION |
| | | 25 EACH 12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION |
| MR. GEORGE H. SMALL ASSISTANT DISTRICT ENGINEER - TRAFFIC | | 200 L.F. ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG) |
| (301) 729-8444 | | 200 L.F. ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG) 350 L.F. ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG) |
| MR. JOHN TRUE | | |
| ASSISTANT DISTRICT, ENGINEER - CONSTRUCTION (301) 729-8411 | | |
| MR. TONY CRAWFORD | | 50 L.F. ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG) |
| ASSISTANT DISTRICT ENGINEER - MAINTENANCE | | 640 L.F. ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG) |
| (301) 729-8457 | | 650 L.F. ELECTRICAL CABLE - 24 CONDUCTOR (NO. 14 AWG) |
| MR. ROBERT ROWAN UTILITY ENGINEER | | 90 L.F. SAW CUT FOR SIGNAL (QUADRAPOLE) |
| (301) 729-8439 | | 1 EACH INSTALL CONTROLLER AND CABINET - BASE MOUNT |
| CONTACT PERSONS FOR OOPS ARE AS FOLLOWS: | HANDHOLE LOCATIONS' | MOTAL CONTROLLED AND CABINET - BASE MOUNT |
| MR. RICHARD DAFF, SR. | | |
| CHIEF TRAFFIC OPERATIONS | NO. DESCRIPTION OF LOCATION STATION OFFSET | |
| (410) 787-7630 | 1 81 SB RAMP @ POLE J 22+47.81 29.23' RT | |
| MR. ROBERT SNYDER ASSISTANT DIVISION, CHIEF | 2 81 SB RAMP @ POLE A 22+91.64 33.70' RT | |
| TRAFFIC OPERATIONS | 3 81 SB RAMP @ POLE B 22+18.93 42.59' LT | |
| (410) 787-7630 | 4 81 SB RAMP @ CONTROLER 22+75.60 68.14' LT | PENNS' PENNS' STRUCTION OF THE PROPERTY OF THE |
| MR. ED RODENHIZER CHIEF, SIGNAL OPERATIONS | 5 81 SB RAMP @ QUADRAPOLE 22+05.11 342.16' LT | 145 |
| (410) 787-7630 | 6 FUTURE INTERCONNECT 23+01.21 49.75' LT | |
| MR. EUGENE BAILEY | 7 FUTURE INTERCONNECT 24+13.83 45.13' LT | |
| CHIEF, SIGN OPERATIONS (410) 787-7676 | 8 FUTURE INTERCONNECT 26+15.86 46.49'LT | |
| | | l; O |
| MR. MIKE STOCKER SIGNAL SHOP WAREHOUSE | SIGNAL POLE LOCATIONS ² | |
| (410) 787-7696 | DESCRIPTION OF LOCATION STATION OFFSET | REC AN |
| | 81 SB RAMP - POLE A 22+93.95 35.65' RT | S ^L |
| | | |
| | 81 SB RAMP - POLE B 22+46.67 44.58' LT | APPROVALS SHA No.: BW707M83 |
| | 81 SB RAMP - POLE J 22+44.81 28.81' RT | Maughan's Avenue: I-81 to US 11 |
| | CONTROLER BOX LOCATIONS | (Leni (LA 10-26-86 |
| | | TEAM LEADER - TRAFFIC ENGINEERING DESIGN DIVISION STATE OF MARYLAND |
| | DESCRIPTION OF LOCATION STATION OFFSET | DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION SCA |
| | 81 SB RAMP 22+77.73 71.82' LT | ASSISTANT TRAFFIC ENGINEERING DESIGN DIVISION OFFICE OF TRAFFIC & SAFETY AS SH |
| | 1 STATION/OFFSET LOCATIONS ARE BASED ON THE APPROXIMATE CENTER OF THE HANDHOLE. | TRAFFIC ENGINEERING DESIGN DIVISION |
| | 2 STATION/OFFSET LOCATIONS ARE BASED ON THE | CHIEF TRAFFIC ENGINEERING DESIGN DIVISION - MAUAGNS AVENUE AND SP. |
| | CENTER OF THE POLE. 3 STATION/OFFSET LOCATIONS ARE BASED ON THE | T-81 SOUTHBOUND RAMPS |
| | CENTER OF THE CONTROLLER BOX. | TDAEEIC SIGNAL DI ANS |
| | | BIDECTOD STOREGY AND CASETY I LIALLIY CITY NIA I II ARIC |

TRAFFIC SIGNAL PLANS